1 program

Public class main{

public static void main(String args[])

{

int x=5;

while(x>1)

{

x=x+1;

if(x<3)

{

System.out.println("small x");

}

}

}}

Output: compiled o/p: small x

2 program

public class Main

{

public static void main(String[] args)

{

int x=1;

while(x<10)

{

if(x>3)

{

System.out.println("big x");

}

}}}

2 program is not compiled we have to give x=x+1 after while it will compile and then the output is

Big x

Big x

3 program

public class Main

{

public static void main(String[] args)

{

int x=5;

while(x>1)

{

x=x-1;

if(x<3)

{

System.out.println("small x");

}

}

}

}

Output:it is compiled and the output is

Small x

Small x

4 program:

public class Main

{

public static void main(String[] args)

{

String s="Hello World,its nice talking to you,goodbye World";

String p=s.replaceAll("World","pratyusha");

System.out.println(p);

}

}

Output:

Hello pratyusha,its nice talking to you,goodbye pratyusha

5 program

public class Main

{

public static void main(String[] args)

{

for(int n=1;n<36;n++)

{

System.out.println(n);

}

}

}

Output:1 to 36

6 program

public class Main

{

public static void main(String[] args)

{

String name="Rank";

System.out.println("Hello "+ name);//modify here

}

}

Output: Hello Rank

7 program

int i;

                    System.out.print("Hello ");       // Say Hello

               i = 0;                               // Initialize loop counter

                       while (i <= args.length) {    // Test and Loop

                    System.out.print(args[i] + " ");

                     i = i + 1;                     // Increment Loop Counter

                     }

                        System.out.println();             // Finish the line

         }

}

Output:

Arrayindexoutofbound exception

8 program

import java.util.\*;  
public class Area {  
      public static void main(String[ ] args){  
          double a;  
    double r;  
    final double pi = Math.PI;  
  
    r = 1.0;  
    a = pi \* r \* r;  
    display(r,a);  
  
    r = 1.5;  
    a = pi \* r \* r;  
    display(r,a);  
  
    r = 2.0;  
     a = pi \* r \* r;  
    display(r,a);  
      }//end main  
      //-------------------------------------------//  
      static void display(double r, double a){  
           System.out.println("For radius = " + r +  
                                ", area = " + a);  
      }//end print  
}//end Area class

output:

For radius = 1.0, area = 3.141592653589793

For radius = 1.5, area = 7.0685834705770345

For radius = 2.0, area = 12.566370614359172